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> Segway Navimow i205 AWD Robot Lawnmower Instruction Manual

## NAVIMOW i205 AWD

# Segway Navimow i205 AWD Robot Lawnmower Instruction Manual

Model: i205 AWD

## 1. INTRODUCTION

The Segway Navimow i205 AWD is an advanced robotic lawnmower designed for efficient and autonomous lawn care. Featuring all-wheel drive, wireless perimeter technology, and intelligent navigation, it is suitable for complex gardens up to 500 m<sup>2</sup>.

## 2. WHAT'S IN THE BOX

Carefully unpack all components and ensure everything is present before proceeding with installation.

- Navimow i205 AWD Robot Lawnmower x 1
- Charging Station and Installation Kit x 1
- Power Adapter x 1
- GNSS Antenna with 6m Cable x 1
- Antenna Installation Kit x 1
- Blades and 5 Spare Bolts x 5
- Stakes for Extension Cable x 4
- User Documents: Quick Start Guide x 1 & Important Information Note x 1

# Qu'y a-t-il dans la boîte ?



Navimow i205 AWD × 1



Station de chargement et kit d'installation × 1



Bloc d'alimentation × 1



Kit d'installation d'antenne × 1



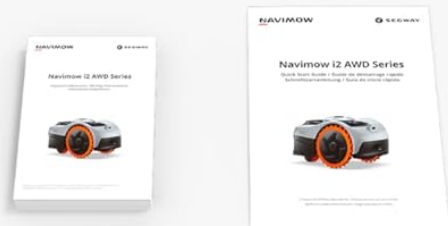
Antenne GNSS avec  
câble de 6 m × 1



Lames et × 5  
boulons de rechange × 5



Piquets pour fixer la rallonge × 4



Documents utilisateur : Guide de prise en main  
rapide × 1 & Note d'informations importantes × 1

Image: All components included in the Navimow i205 AWD package.

## 3. SETUP

### 3.1 Charging Station and GNSS Antenna Placement

The Navimow i205 AWD utilizes a wireless perimeter system, eliminating the need for boundary wires. Proper placement of the charging station and GNSS antenna is crucial for accurate navigation.

1. **Charging Station:** Place the charging station on a flat, level surface with clear access for the robot. Ensure it is near a power outlet.
2. **GNSS Antenna:** Install the GNSS antenna in an open area with an unobstructed view of the sky. Avoid placing it under trees or near tall buildings that could block satellite signals. The antenna cable is 6 meters long, allowing for flexible placement.

# Aucun câble ni antenne nécessaire

Réseau NRTK : une configuration plus facile et efficace



Accès au réseau NRTK en standard,  
sans frais supplémentaires

Image: The Navimow i205 AWD operating wirelessly, receiving signals from satellites.

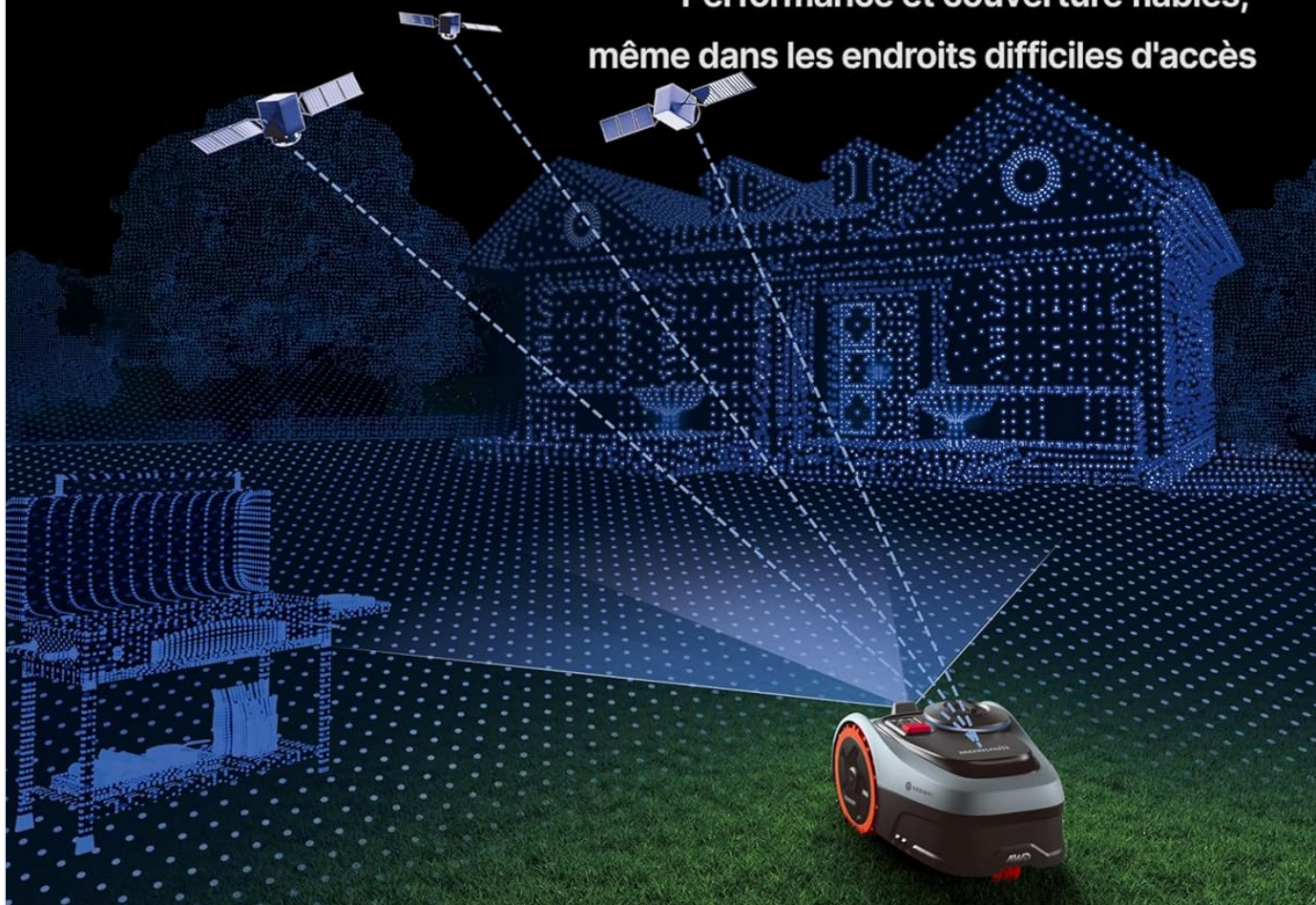
## 3.2 Initial Mapping

The Navimow i205 AWD features automatic mapping via its companion application. This process defines the mowing area without physical wires.

1. Download and install the Navimow app on your smartphone.
2. Follow the in-app instructions to connect to your Navimow i205 AWD.
3. Initiate the automatic mapping process. You will guide the robot along the perimeter of your lawn using the app.
4. The system uses EFLS NRTK and Vision technology for precise centimeter-level localization and mapping.
5. Define any "no-go" zones within the app to exclude flowerbeds, obstacles, or sensitive areas.

# EFLS NRTK : Double précision réseau RTK + Vision

Performance et couverture fiables,  
même dans les endroits difficiles d'accès



Sous de grands arbres



Sur les chemins étroits



Dans les coins cachés

Image: Automatic mapping of the lawn using the Navimow app.

## 4. OPERATING INSTRUCTIONS

### 4.1 Mowing Operation

The Navimow i205 AWD is designed for efficient and quiet operation.

- **Starting a Mowing Session:** Use the Navimow app to schedule mowing times or start a session manually.
- **Cutting Height Adjustment:** The cutting height can be adjusted from 2 to 6 cm. Refer to the app for precise control.
- **Multi-Zone Management:** The robot can manage up to 20 distinct mowing zones, optimizing its path for efficient coverage.
- **Automatic Recharging:** When the battery is low, the robot will automatically return to its charging station. It will resume mowing from where it left off after recharging.
- **Quiet Operation:** The i205 AWD operates at a low noise level of only 59 dB(A), minimizing disturbance.

## 4.2 Advanced Features

- **All-Wheel Drive (AWD):** The three-wheel drive system allows the i205 AWD to navigate challenging terrains, including slopes up to 45% (24°), uneven ground, and areas with roots.
- **Xero-Turn Technology:** The concentric design of the third wheel enables zero-turn radius pivots, preventing damage to the lawn during turns.
- **Adaptive Transmission:** The third wheel engages only when necessary, optimizing energy consumption and extending battery life by up to 30%.
- **VisionFence (AI-powered Obstacle Avoidance):** The robot detects and avoids over 150 types of obstacles, including pets, tools, and small objects, adjusting its path in less than 0.1 seconds and maintaining a safety distance of over 1 meter.
- **EFLS NRTK + Vision Positioning:** This dual precision system ensures accurate localization and mowing, even in areas with limited satellite visibility like under large trees or in narrow passages.
- **Weather Adaptation:** The mower can identify five extreme weather conditions (wind, frost, rain, snow, high temperatures) and return to its charging station to ensure safe operation.
- **Smart Home Integration:** Compatible with Alexa and Google Home for voice control.

# Toutes roues motrices, maîtrise tout terrain

Technologie pionnière Xero-Turn AWD pour des performances ultimes



Image: The Navimow i205 AWD demonstrating its all-terrain capabilities on a 45% slope.

# Pivote sans faire d'éraflures

Virage agile à **180°** pour éviter de racler l'herbe



Image: The robot mower pivoting smoothly without damaging the lawn.

Image: The VisionFence system detecting and avoiding obstacles like pets.

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Navimow i205 AWD.

- **Cleaning:** Regularly clean the robot's chassis, wheels, and cutting deck to remove grass clippings and debris. The unit is IP66 certified for water and dust resistance, allowing for easy cleaning with water.
- **Blade Replacement:** Inspect the blades regularly for wear and damage. Replace dull or damaged blades with new ones using the provided spare bolts. Always wear protective gloves when handling blades.
- **Software Updates:** Keep the Navimow app and robot firmware updated to benefit from the latest features and improvements.

# VisionFence : Évitement de plus de **150** obstacles piloté par IA

Tondre ou éviter, décisions prises en une fraction de seconde



Chat



Chien



Hérisson



Écureuil



Lapin



Enrouleur de  
tuyau



Pelle



Cisailles



Pinceau



Marteau



Luminaire de  
jardin



Taille-haies



Ballon



Bois



Fontaine



Pneus

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter.

### 6.1 Common Issues and Solutions

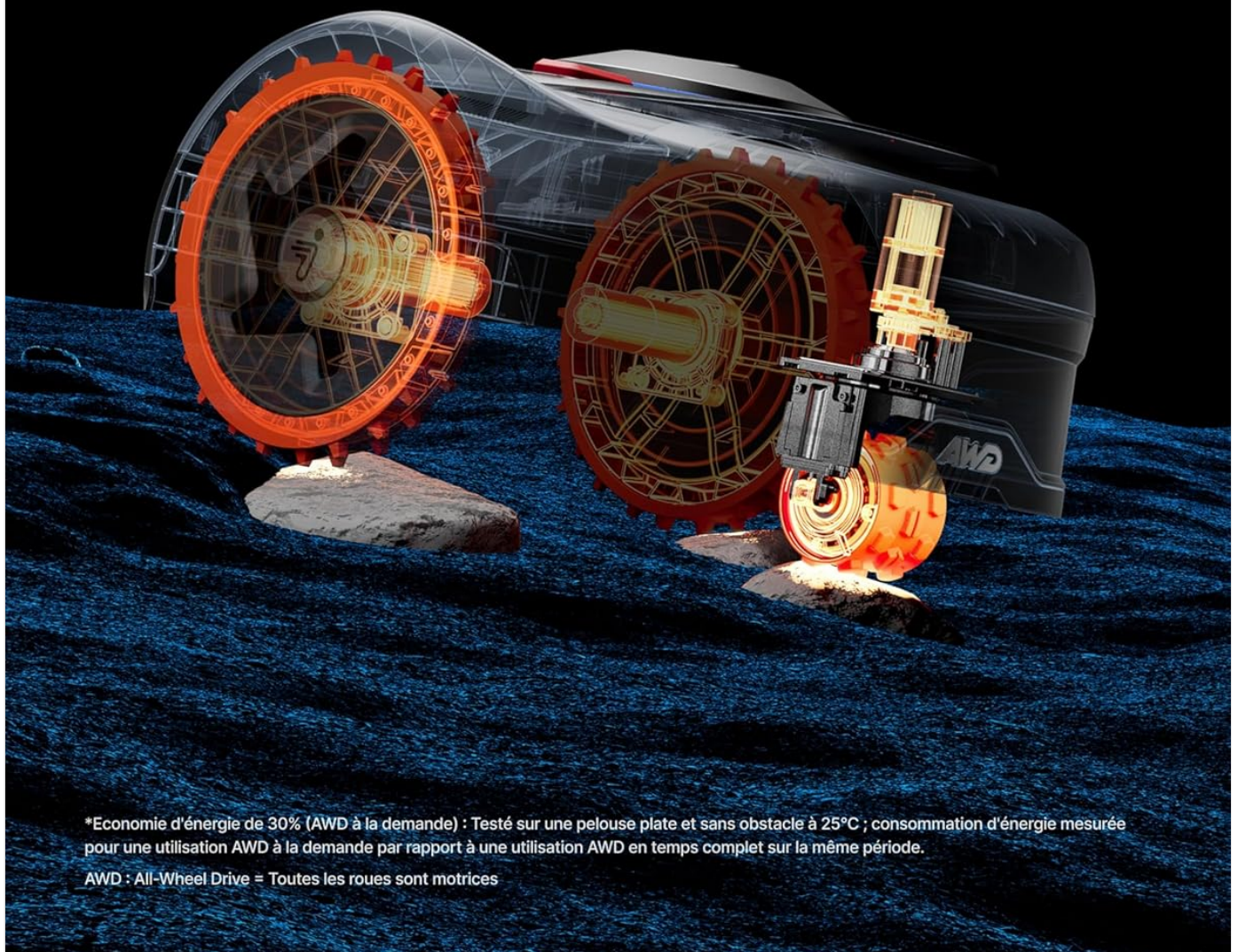
Problem	Possible Cause	Solution
Robot not mowing or getting stuck.	Incorrect mapping, weak GNSS signal, obstacles.	Review and remap the mowing area in the app. Ensure the GNSS antenna has a clear view of the sky. Remove large obstacles from the lawn.
Uneven cutting.	Dull or damaged blades, incorrect cutting height setting.	Replace blades. Adjust cutting height in the app.
Robot not returning to charging station.	Charging station obstructed, poor signal.	Ensure the path to the charging station is clear. Check GNSS signal strength.

### 6.2 Security System

The Navimow i205 AWD includes an intelligent anti-theft system.

- **Real-time GPS Tracking:** The app provides real-time location tracking of your mower.
- **Alerts:** You will receive notifications via the app if the mower is lifted or moves outside its designated mowing zones.

# La 3e roue devient motrice quand c'est nécessaire Aucune perte de puissance, jusqu'à **30%** d'économie d'énergie\*



\*Economie d'énergie de 30% (AWD à la demande) : Testé sur une pelouse plate et sans obstacle à 25°C ; consommation d'énergie mesurée pour une utilisation AWD à la demande par rapport à une utilisation AWD en temps complet sur la même période.

AWD : All-Wheel Drive = Toutes les roues sont motrices

Image: The anti-theft system alerts users if the mower is moved.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	i205 AWD

Feature	Detail
Dimensions (L x W x H)	54.5 x 38.5 x 28.5 cm
Weight	12.05 kg
Power Source	Battery-powered (2.5 Ah)
Cutting Width	18 cm
Adjustable Cutting Height	2 - 6 cm
Max Slope Capability	45% (24°)
Noise Level	59 dB(A)
Water & Dust Resistance	IP66 Certified
Max Mowing Area	500 m <sup>2</sup>
Connectivity	EFLS NRTK + Vision, 4G (included)

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

The Navimow i205 AWD comes with a 3-year warranty, ensuring reliability and peace of mind. Please refer to the included warranty documentation for full terms and conditions.



Image: The Navimow i205 AWD with a 3-year warranty.

### 8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Navimow customer support. Contact details can be found in your product documentation or on the official Navimow website.

Access to the NRTK network and 4G network is included without additional fees, ensuring continuous connectivity for support and updates.

